

MAR 6 2009

510(k) Summary (Per 21 CFR 807.92)

Submitter/Owner:

Noble Anesthesia-Air, Inc. 1505 Fort Clarke Blvd. 17-106 Gainesville, Florida 32606

Contact Person: James P. Noble, M.D.

Telephone: (352) 332-7908 Email: noble@anesthesia-air.com

Official Correspondent:

BraunSolutions 377 Zane Court, Elizabeth, CO 80107

Contact Person: Alex Henderson Telephone/Fax: (303) 646-3715 Email: alex henderson@msn.com

Date Prepared:

August 25, 2008

Device Name:

Trade/Proprietary Name:

Snor-Scope Plus™ and/or Snor-Scope +™ System (Kit)

Common/Generic Name:

Electronic Stethoscope

Classification Name:

Electronic Stethoscope, Class II (Two) (21 CFR 870.1875(b), Product Code DQD)

Predicate Devices:

RNK Products Stethoscope (K030446, K072026) Pishon High Tech Co. Stethoscope (K062481)

Meditron AS Stethoscope (K991367)

Related Accessories: (Kit)

Classification	Description	Class	
21 CFR 868.5240	Breathing Circuit (Kit)	Ī	
· 21 CFR 868.5810	Airway Connector	I	
21 CFR 868.5860	Pressure Tubing and Accessories	I	
21 CFR 868.1930	Stethoscope Head	1	
21 CFR 870.1875	Stethoscope	1	

510(k) Summary Noble Anesthesia-Air Electronic Stethoscope

Device Description: (Reference Exhibit A, Page 12) Class I ME Device

The Noble Anesthesia-Air Snor-Scope Plus™ Electronic Stethoscope System is a kit comprised of the following components: (Guidance IEC60601-1 2005 Sec. 4 "General Requirements" and various other sections, where applicable).

- Audio amplifier module and microphone
- Plastic T-connector / diaphragm coupler assembly (airway adapter)
- Single Plastic coupler (stethoscope adapter)
- Stethoscope Head (standard mechanical acoustic)
- Stethoscope (standard mechanical acoustic)
- Wall charger (UL listed, medical grade) and eight (8) batteries (rechargeable)

A shielded microphone and audio cable, with a 3.5mm plug, connects the microphone/coupler assembly to the amplifier module. The speaker volume may be adjusted on the audio amplifier module to allow comfortable listening levels of breathing sounds passing through the airway circuit for Anesthesia Physicians and Clinical Personnel. A standard stethoscope ear piece may also be used for private listening purposes, although it does not provide the same amplification as in electronic stethoscope mode.

The Snor-Scope Plus T-connector is composed of a plastic diaphragm and connector cap which holds the diaphragm tightly in place. This T-connector serves as an attachment for either the manual stethoscope (without head) or to the electronic stethoscope microphone. The device is not sterile, is outside the surgical field, and is a single-use disposable accessory.

A single plastic medical grade coupler may also be used as an interface between the Snor-Scope Plus microphone and standard stethoscope dual-diaphragm head for the same purpose that would otherwise require an acoustic (non-electronic) stethoscope.

The Noble Anesthesia-Air Electronic Stethoscope provides 20 times greater signal amplitude than a standard acoustic stethoscope. The overall frequency response is 15 – 1500 Hertz. This stethoscope is a stand-alone unit, has no software, and operates using an analog audio system without introducing any signals or energy into the patient or anesthesia breathing circuit.

The Amplifier Module is powered by rechargeable Nickel Cadmium Batteries which can be easily replaced. The charger consists of a medical grade UL listed wall adapter. The batteries and charger are part of the overall packaged kit. The audio amplifier module controls charging which cannot be performed during use of the Noble Anesthesia-Air Snor-Scope PlusTM Electronic Stethoscope.

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Statement of Intended Use:

The Noble Anesthesia-Air Snor-Scope PlusTM Electronic Stethoscope is intended as a diagnostic aid in patient monitoring, diagnostics, and treatment under the same conditions that would otherwise require the use of an acoustic (non-electronic) stethoscope.

In addition, the Noble Anesthesia-Air Snor-Scope Plus™ Electronic Stethoscope is also intended for electronically amplifying sounds of evolving obstruction of the upper airway in patients without an endotracheal tube undergoing sedation or general anesthesia by an anesthesia care professional.

It is not intended to be used for diagnosis and treatment by unlicensed, untrained, or unqualified medical persons.

Substantial Equivalence:

Although the Snor-Scope Plus has an additional and unique Indication for Use, the design components and functionality of the Noble Anesthesia-Air Snor-Scope PlusTM Electronic Stethoscope are substantially equivalent to the predicate devices listed. The overall effectiveness has been, and continues to be, demonstrated in user testing with Anesthesiologists and Clinicians.

The Noble Anesthesia-Air Snor-Scope PlusTM Electronic Stethoscope has the same principles of operation and technological characteristics as the auscultation function of the predicate devices. System analysis and testing have resulted in no new questions concerning safety and effectiveness.

Substantial Equivalence Comparison Chart

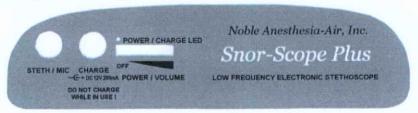
Predicate Devices New Device

	RNK Products Electronic	Pishon High Tech Electronic	Meditron AS Electronic	Snor-Scope Plus Electronic Stethoscope	
Device Name	Stethoscope	Stethoscope	Stethoscope		
	K030446, K072026	K062481	K991367		
Classification Name	Electronic	Electronic	Electronic	Electronic	
	Stethoscope	Stethoscope	Stethoscope	Stethoscope	
Applicant	RNK Products	Pishon High Tech	✓ Meditron AS	Noble Anesthesia-Air	
Frequency Response	20 Hz - 1,500 Hz	20 Hz - 1,500 Hz	20 Hz - 1,500 Hz	20 Hz - 1,500 Hz	
Amplification	Up to 20 Times	Up to 20 Times	Up to 18 Times	Up to 20 Times	
Heart Rate Display	No	No	No	No	
Data Transfer to PC	No	Yes	Yes	No	
Volume Control	Variable	12 Step	Variable	Variable	
Energy Source	(2) AAA Batteries	(2) AAA Batteries	(4) AA Batteries	(8) AA Batteries	
Manual On/Off Button	Yes	Yes	Yes	Yes	
Low Battery Indicator	Yes	Yes	Yes	Yes	

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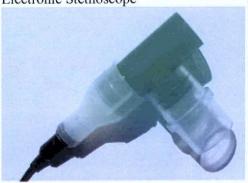
510(k) Summary Noble Anesthesia-Air Electronic Stethoscope

Proposed Labeling: Audio Amplifier - Front (Guidance: IEC60601-1 Sec. 15)



T-Connector Coupler Photos

Electronic Stethoscope



Manual Stethoscope



Amplifier, Microphone, T-Connector



Located on Charger:

CAUTION!

Only Charge Snor-Scope Plus When unit is off Unplug charger when not in use

Located on Bottom:

SNOR-SCOPE PLUS® Electronic Stethoscope SERIAL NUMBER: CAUTION!

FOR USE BY LICENSED ANESTHESIOLOGIST ONLY

Located on T-Connector:

CAUTION! Check Air-Way Circuit For Leaks Prior to Use

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Clinical Assay: (Reference Exhibit B, Page 13)

"Pediatric Sedation Outside of the Operating Room"

SPONSORED BY: Harvard University, San Francisco CA USA

September, 2008.

The data to be presented was gathered during a study that was done while Dr. James P. Noble was in private practice. The formal study involved 10 patients representative of the patient population for which Dr. Noble had cared for over nearly 10 years during the development of his special technique to improve the safety of anesthesia for cosmetic surgery patients. The Snor-Scope Plus, in various stages of its evolution, was an essential part of this technique.

The formal study was approved in 2005 by the Western Institutional Review Board. The identifying information of this study is:

TITLE: The Effects of CPAP on Airway Obstruction in Scdated Spontaneously Breathing Facial Rhytidectomy Patients

PROTOCOL NO.: WIRB Protocol #20050216

SPONSOR / INVESTIGATOR / SITE: Robert N. Cooper, M.D.

201 East Osceola Street Stuart, Florida 34994 USA

CONCLUSION SUMMARY:

The stridor that was reported in the results was accurately detected by the Snor-Scopé Plus. There were no adverse effects or complications.

The Snor-Scope Plus passed inspection by the Biomedical Engineers at Shands Teaching Hospital at the University of Florida under ANSI C63.18-1997 and AAMI TIR 18 Recommendations for EMC / EMI in Healthcare Facilities. Test data is not present in this submission.

Additional clinical study information has not been submitted for the purpose of demonstrating substantial equivalence to legally marketed electronic stethoscopes.

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510(k) Summary Noble Anesthesia-Air Electronic Stethoscope

Safety and Performance: (Guidance: IEC60601-1 2005, where applicable)

The Noble Anesthesia-Air Snor-Scope PlusTM Electronic Stethoscope is intended for use outside of the surgical sterile field. The plastic connector couplers are intended as single-use, disposable accessories and are not sterile. The Snor-Scope Stethoscope plastic T-connector coupling assembly isolates the microphone electrically from the acoustic mechanical pick-up diaphragm, anesthesia airway connectors, and the patient. It is part of the fixed port (reused as standard practice) on the anesthesia machine.

The internal speaker and microphone cable are shielded to eliminate Electrical Magnetic Interference. The audio amplifier module, microphone, or cable do not introduce any signals or energy into the patient or anesthesia airway circuit and do not pick-up signals from other medical devices (e.g. Lasers, Telemetry, Electrocautery devices) in the room. The amplifier module plastic casing (double insulated) and all anesthesia coupler / hose components meet UL flammability ratings for medical devices. (Sec. 8 "Protection against Electrical Hazards", Sec. 9 "Protection against Mechanical Hazards" and Sec. 17 "Electromagnetic Compatibility of ME Equipment")

Battery charging is controlled by internal management circuits of the audio amplifier module and is disabled during use. Warning labels indicate that the audio amplifier module must be recharged outside the operating room. The system is not directly connected to 120 VAC wall outlet power during use, and there are no exposed conductive metal parts, thus alleviating any patient or health practitioner shock hazards. (Sec. 8 "Protection against Electrical Hazards")

There is limited skin contact with the patient or medical personnel with respect to the bell diaphragm (standard acoustic stethoscope type), as an approved Class I device. There is no skin contact with the patient or medical personnel at any time, as described under additional Indications for Use. Biocompatibility with respect to ISO10993-Part 1, Biological Evaluation of Medical Devices Part – 1 (G-95-1), does not apply.

Physiological Effects: (Guidance: IEC60601-1 2005 Sec. 8 "Protection against Electrical Hazards")

The patient has no contact with the unit or leads. Therefore, there are no physiological effects concerning Threshold of Perception, Let-Go Current, Respiratory Paralysis, Ventricular Fibrillation, Sustained Myocardial Contraction, or Burns and Physical Injury.

Shock Hazards: (Guidance: IEC60601-1 2005 Sec. 8 "Protection against Electrical Hazards")

The unit chassis and microphone T-connector are made of non-conductive plastic and all leads consist of insulated rubber over shielded wire. Current Leakage to ground is 0.0 mA as the unit is not connected to A-C wall power during operation. There are no exposed metal contacts.

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Non-Clinical Testing: (Reference: T-Connector Assembly Test Protocol, Page 10)

Under typical use as a standard acoustic stethoscope, the diaphragm head is the only component that routinely comes in contact with the patient or health practitioner. There is no possibility of current leakage, as the microphone and cable is shielded and electrically isolated by the interface coupling assembly and rubber stethoscope hose. The same holds true for the T-connector / diaphragm coupler components in the anesthesia airway circuits (conveying non-flammable gases) as they never come into to contact with the patient or health practitioner.

Internal shielding provides minimal electromagnetic field or radiated emission measurements. Pressure tests were conducted on a random sample of T-connector diaphragm component assemblies. Current leakage test during operation yielded no results.

Environment: System is intended for use at ambient room temperature 25 Deg. C. (Guidance IEC60601-1 2005 Sec. 5 "General Requirements for Testing ME Equipment")

Conclusions:

The indications for use as described is consistent with the labeling for electronic stethoscopes legally marketed in the United States under FDA regulation 21 CFR 870.1875(b) for this type of device.

In addition, operation is also consistent with the general operating principles for electronic stethoscopes and would have minimal potential for any adverse health concerns as it does not interrupt anesthesia airway operation. The passive T-connector has been specifically designed to have no effect on the Anesthesia Devices to which it is attached and, more importantly, the patient.

The Noble Anesthesia-Air Snor-Scope Plus[™] Electronic Stethoscope does not fall under FDA Regulation 21 CFR 898.12 Performance Standards and does not emit vibrations or emissions that would affect the patient or other medical devices as listed under FDA Regulation 21 CFR 1000.15 Radiological Health for "Sound Amplification Equipment".

It is possible, but not likely, that the T-connector diaphragm might rupture and cause an anesthesia circuit leak. This occurrence would be detectable by routine pressure checks of the breathing circuit and by listening for a leak over the connecting port of the stethoscope.

The Noble Anesthesia-Air Snor-Scope Plus[™] Electronic Stethoscope is a reliable monitor to detect an evolving obstruction of the upper airway. Detection of stridor should trigger the carly adjustment of flow rates and pressure within the breathing circuit until airway obstruction and its telltale stridor is eliminated.

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Drop Test Performance: (Guidance: IEC60601-1 2005 Sec. 5 "General Requirements", Sec. 9 "Protection against Mechanical Hazards" and Sec. 15 "Construction of ME Equipment")

AXIS: X: Top (Speaker) Down

Y: Front (Control/Inputs) Down Z: Sideways/Angled Down (Corner)

CRITERIA:

- 1. Perform three (3) separate drop tests for each axis from a height of three (3) feet onto a hard, uniform surface (concrete floor). Note external damage, if any, on chart.
- 2. Perform function test. Note failures on chart.
- 3. Open case and note any internal damage, if any, on chart. Document with photos.
- 4. If any major external or internal damage is indicated route to QC for Root-Cause Analysis.

Note: If no structural failures indicated, enter "None". If no functional failures indicated, enter "Passed".

SUMMARY DATA

SnorScope Plus	X Axis Notes	Y Axis Notes	Z Axis Notes	Functional Test	
	TEST 1:	TEST 2:	TEST 3:	UNIT:	BATTERIES:
Unit #1 S/N: 0103	Scratched	None	Dent - Corner	Passed	Passed
Unit #2 S/N: 0107	None	Scratched	Hairline Crack -Corner	Passed	Passed
Unit #3 S/N: 0124	None	None	Dent - Corner	Passed	Passed
Comments: No Internal Damage.	Volume Control OK.	Connectors OK.	Speaker OK. Crack did not affect function	Disposition: Continued release. Certified	•

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T-Connector Assembly Test Protocol:

Pressure tests are conducted on random T-Connector assemblies in the following manner:

1. The connector is tested at the absolute extremes of pressure ventilation capable of being generated by a typical anesthesia ventilator:

Machine: Datex-Ohmeda AVANCE S5

Maximum Positive End-Expiratory Pressure ("PEEP") = 30 cm of water Maximum Added Positive Pressure Ventilation = 60 cm of water

Total Pressure = 90 cm of water

2. The diaphragm of the Stethoscope-Connector cannot fail after being subjected to 25 cycles of 90 cm of water pressure of the ventilator, i.e., the diaphragm is not ruptured and no leak is produced.

Discussion:

- 90 cm of water pressure is about double the extreme of pressures that may be used clinically.
- The label on the packaging will include a caution to check the connector for leaks prior to starting an anesthetic and during the anesthetic should a leak be suspected in the breathing circuit.

James P. Noble, M.D.

Cine Hobbe, M.D.

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Hazardous Conditions Test Protocol - Liquid:

(Guidance: IEC60601-1 2005 Sec. 4 "General Requirements", Sec. 8 "Protection against Electrical Hazards" and Sec. 16 "ME Systems")

CRITERIA: Random Test

1. NORMAL TEST:

Perform current-leakage test on five (5) amplifier module, microphone, and T-connector assemblies – attach meter between microphone/T-connector body and ground (-).

- a. With charger unplugged
- b. With charger plugged in

Record results for each unit on the chart.

2. DESTRUCTIVE TEST:

Perform current-leakage test on ten (10) amplifier module, microphone, and T-connector assemblies – attach meter between microphone/T-connector body and ground (-).

First five (5) units:

- a. With charger unplugged; pour sodium chloride, 0.9% USP, on top of unit and on down cord to microphone/T-connector assembly.
- b. Open case and check fuse continuity.

Record results for each unit on the chart.

Second five (5) units:

- c. With charger plugged in; pour sodium chloride, 0.9% USP, on top of unit and on down cord to microphone/T-connector assembly.
- d. Open case and check fuse continuity.

Record results for each unit on the chart.

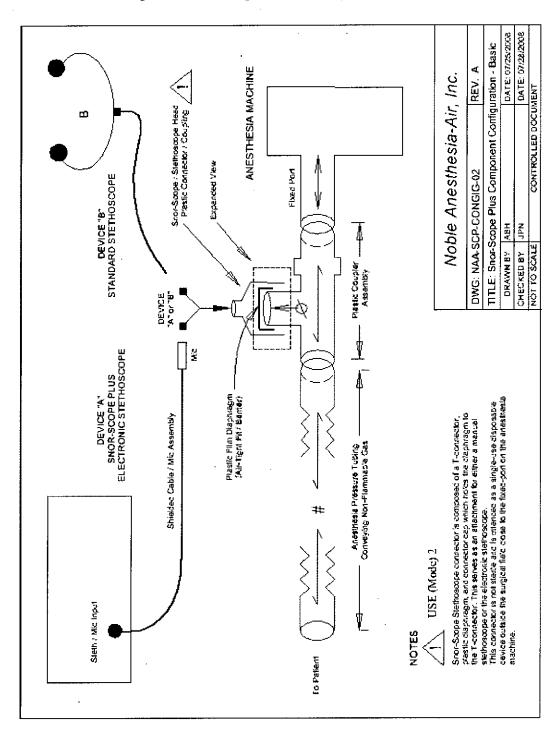
Send units to QC Dept. to be quarantined / scrapped. Tag: "Engineering Evaluation"

Discussion: (Guidance: IEC60601-1 2005 Sec. 11 "Protection against other Hazards")

- Test results from these tests have indicated that there is no current leakage, with or without the battery charger plugged in, under normal operating conditions. The unit case and microphone/T-connector assembly impedance is infinite.
- During destructive testing, there was slight current leakage between 0.02 mA 0.03 mA with the battery charger plugged in (battery charger cannot be used during normal acoustic operation). If the internal PC board power components were shorted by the sodium chloride solution, the micro fuse (Fast Acting, 750 mA, One Time) indicated no continuity (open circuit) and leakage current was 0.0mA. Without the battery charger plugged in, current leakage was between 0.01 mA 0.02 mA on average. Same micro fuse conditions were found (open circuit) if power components were shorted by the sodium chloride solution. Fuse open time was approximately 2-3 seconds as indicated by 0.0 mA current leakage measurements.

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EXHIBIT A – Configuration Drawing (Full Size Copy, Page 12(a))



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EXHIBIT B – Clinical Presentation Slide (Full Size Copy, 13(a))

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Non-Invasive Nasally-Applied Positive Airway Pressure Prevents Upper Airway Obstruction and Facilitates Adequate Spontaneous Respiration During Mild, Moderate and Deep Sedation, and General Anesthesia JP Noble, * RN Cooper

Department of Anesthesiology, University of Florida College of Medicine, Gainesville, Florida

Water's Edge Surgery Center, Stuart, Floridat

Introduction

safely preserve sportaneous respiration as sedation was despend to general anesthesia. This study in adult patients is presented as proof of concept" for application in pediatric The syndrome of nancogenic obstructive respiration (SNOR) describes the upper airway distruction that tends to occur during the inesthetized children. We hypothesized that ransoutaneous CO., determinations would help o confirm that nasal postive airway pressure applied to the mildly sedated patient would invay pressure (CPAP) has been used

Methods

dexmedetomidine and fentanyi. The aimay was managed by a NVA® (Nasal Vestibule, Aimay) onseoutive cosmetic surgery patients were tudied. Data collected were primarily designed. pressure-sealing nasal cannula connected to ightening the superficial musculo-aponeurotio system (SMAS) during hytidectomy. General to demonstrate the airway constricting effect stridulous sounds of airway obstruction. All satients were allowed to breathe sportaneou throughout the procedure. Patient monitors included a dial pressure gauge, a SNOR. SCOPE® (circuit stethoscope), and a and gas flows were adjusted to achieve an After Western Institutional Review Board approval and informed consent, ten inesthesia was provided using various combinations of isoflurane, proportol, ranscutaneous CO, monitor

Docygen saturations were consistently greater than 92% using an covigen concentration of 30% or less. The SMAS phase of the rhytdectomy caused stridor in 5 patients which was releved by increasing airway pressure. In 5 patients airway pressure increased after SMAS without stridor or adjustment as if an increment in airway construction also increased the pressure needed for gas to escape the phayrix. One patient had no change after the SMAS. Surgery times ranged from 84 to 380 minutes for combined procedures that included inytidectormy. Two patients with body mass incloses of 34 and 38 had liposuction in the prone position. Respiratory rates ranged from 13 to 26 breaths per minute. Arterial pCO₂ derived from transoutaneous measurements ranged from 36 to 40 mm. Hg.

AIRWAY PRESSUREVIORS IN THE NIGRED PAY AND OTHER TOBLIDATE MASAL BREATHERS WHERETHE AIRWAY AMATOMY SOEDICATED TO RESPIRATION AND MOST RESISTANT TO DESTRUCTION.



ARBOWY PRESSURE WORKS IN THE ADULT WHERE THE BATURED A ROWRY ANATORY SHARES RESPIRATION WITH SINK LID WING AND SPEAKING AND HAS BIBCOUSE ENTIRE ETO DESTRUCTION

nasal positive pressure and the respiratory rate is not depressed below 13. Indian

We conclude that, even under deep sedation at general anesthesia, the spontaneously breathi adult patient can breath adequately as long

Discussion

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change procedures) indicates that pediatric patients have an aimay that is well-managed by this technique and, more consistently so than adult

pediatrio patients (MRI, endosoopy, and dressing

THEREFORE, ALROWY PRESSURE SHOULD WORK IN CHILDREN WHER ETHE AIRWAY ANATOMY IS AT AN INTERNIED WITESTAD FOR MATURATION, BUT STILL NORE RESISTANT TO DISTRUCTION

References

1. Cooper R, Nobe J, Wanging Lacogeric obstricted respirator in the assibilities rigery patent. Pestie 15 rig J 1999, 19:405-405.

 Lang Y, Kimbal W, Romarek R, Zapol W, Jang Y. Nazile Battors from e-froger late combased oral saziller battors of dring function or area factor in and sittlerb. A seatherology 2005; 100:998-1009. Series D, Printy G, Mathemaght A, Flyss P; Use of contilious positive almay pressive in pseciation during existing a pressive of precision strong existing an estimated as followed in 1991. Feb.56(Q, 2000-4).

377 Zane Court • Elizabeth, Colorado USA 80107 Telephone: 303-646-3715 • Email: alex henderson@msn.com





Food and Drug Administration 9200 Corporate Boulevard Rockville MD 20850

MAR 6 2009

Noble Anesthesia Air Inc. c/o Mr. Alex Henderson Braun Solutions 377 Zane Court Elizabeth, CO 80107

Re: K082528

Trade Name: Snor-Scope Plus Electronic Stethoscope

Regulation Number: 21 CFR 870.1875 Regulation Name: Electronic Stethoscope

Regulatory Class: Class II Product Code: DQD

Dated: February 23, 2009 Received: February 26, 2009

Dear Mr. Henderson:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Page 2 - Mr. Alex Henderson

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050. This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Center for Devices and Radiological Health's (CDRH's) Office of Compliance at (240) 276-276-0120. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding postmarket surveillance, please contact CDRH's Office of Surveillance and Biometrics' (OSB's) Division of Postmarket Surveillance at 240-276-3474. For questions regarding the reporting of device adverse events (Medical Device Reporting (MDR)), please contact the Division of Surveillance Systems at 240-276-3464. You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (240) 276-3150 or at its Internet address http://www.fda.gov/cdrh/industry/support/index.html.

Sincerely yours,

Bram D. Zuckerman, M.D.

Director

Division of Cardiovascular Devices

Office of Device Evaluation

Center for Devices and Radiological Health

Enclosure

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Indications for Use

510(k) Number (if known): <u>K082528</u>	
Device Name: Snor-Scope Plus Electronic Stethoscope	
Indications for Use:	
The Noble Anesthesia-Air Snor-Scope Plus TM Electronic Stethoscope is intended as a diagrain patient monitoring, diagnostics, and treatment under the same conditions that would other require the use of an acoustic (non-electronic) stethoscope.	
In addition, the Noble Anesthesia-Air Snor-Scope Plus Electronic Stethoscope is also intended electronically amplifying sounds of evolving obstruction of the upper airway in patients with endotracheal tube undergoing sedation or general anesthesia by an anesthesia care profession	hout an
It is not intended to be used for diagnosis and treatment by unlicensed, untrained, or unqual medical persons.	ified
Prescription Use AND/OR Over-The-Counter Use	
(Part 21 CFR 801 Subpart D) (Part 21 CFR 807 Subpart C)	
(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)	
Concurrence of CDRH, Office of Device Evaluation (ODE)	_
· Attach ()	

(Division Sign-Off)

Division of Cardiovascular Devices

510(k) Number K082529